

ELECTRONIC FILTER INCLUDING
LANGASITE STRUCTURE COMPOUND
AND METHOD FOR MAKING SAME

Abstract of the Disclosure

An electronic filter includes a piezoelectric layer formed of an ordered Langasite structure compound having the formula $A_3BC_3D_2E_{14}$, wherein A is strontium, B 5 is tantalum, C is gallium, D is silicon, and E is oxygen. A plurality of pairs of electrodes are connected to and cooperate with the piezoelectric layer to define a SAW or BAW filter, for example. The ordered Langasite structure compound may have a 10 substantially perfectly ordered structure.

RECORDED IN U.S. PATENT AND TRADEMARK OFFICE
RECORDED IN U.S. PATENT AND TRADEMARK OFFICE